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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/750,448	12/31/2003	Nicholas J. Frigo	ATT/2003-0176	4984
26652 75	90 01/12/2006		EXAMINER	
AT&T CORP.			KIM, ELLEN E	
P.O. BOX 4110	1			
MIDDLETOWN, NJ 07748			ART UNIT	PAPER NUMBER
			2874	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Office Action Summary		10/750,448	FRIGO ET AL.		
		Examiner	Art Unit		
		Ellen Kim	2874		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES and I was a sign of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. I period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
2a)□	Responsive to communication(s) filed on 19 De This action is FINAL . 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro			
Dispositi	on of Claims				
4) Claim(s) 1-43 is/are pending in the application. 4a) Of the above claim(s) 15-43 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.					
Applicati	on Papers				
10)□	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Corection to drawing sheet(s) including the correction to athor or declaration is objected to by the Example 1.	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority u	ınder 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 11/04,12/03.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:			

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DETAILED ACTION

Applicant's election of Group I of claims 1-14 in the reply filed on 12/19/05 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1- 14 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Russell et al [USPAT 6,480,635].

Russell et al disclose a method for identifying an optical fiber, comprsing: imparting a time-varying modulation [line 5 of Abstract] onto an optical signal [a beam 14, line 1 of Abstract] propagating in said optical fiber 10, and detecting [line 10 of Abstract] the presence of said imparted time-varying modulation to identify said optical fiber;

wherein said imparting and detecting do not interrupt the propagation

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of said optical signal along said optical fiber.

In re claims 2 and 3, Russell et al teach in lines 8-9 of Abstract that said time-varying modulation is imparted on said optical signal by varying a property of said optical fiber [such as ...the line integral thereof along the cable in non-zero...] as a function of time. It is clear this also implies a curvature of at least a portion of said optical fiber is varied as a function of time such that a time-varying loss of power is generated in said propagating optical signal.

In re claims 4, 5, and 14, the vibrating at least a portion of said optical fiber [such as bending, see column 4, lines 62-end] is inherently done by implying time varying modulation to the optical fiber.

In re claim 5, note that "small" is not clearly defined in the claim, therefore, the claimed limitation is inherently met by Russell et al device.

In re claim 6, Russell et al teach in line 9 of Abstract that a polarization of said propagating optical signal is varied as a function of time.

In re claims 7 and 8, Russell et al teach in lines 3-5 of Abstract that the birefringence of said optical fiber is varied via a time-varying electromagnetic field.

In re claims 9 and 10, Russell et al inherently show said time-varying modulation is imparted on said optical signal by varying a frequency of said propagating optical signal is varied as a function of time, and the frequency of said propagating optical signal is varied as a function of time through time-varying non-linear interactions.

In re claim 11, it is clear the interaction of acoutstic waves with the optical signal is also inherently done once the time-varying non-linear interations are created.

In re claim 12, it is clear that the optical signal is from a source of the optical signal.

In re claim 13, it is clear that the electromagnetic field 24 is applied to an intermediate point between optical fibers in a fiber path.

Conclusion

In formation regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

For all official patent application related correspondence for organizations reporting to the Commissioner of Patents:

- Correspondence that is transmitted by facsimile must be directed to the central facsimile number, (703) 872-9306.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Further references of interest are cited on Form PLO-892, which is attachment to this office action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen Kim whose telephone number is (571) 272-2349. The examiner can normally be reached on Monday through Thursday.

Ellen E. Kim

Primary Examiner

January 9, 2006/EK